Service Manual

Model Name : DS-360

COMMON1389L/K_HD65_V1.0 **Desktop Model**

MT1389L/K (LQFP128) DVD TEST Board w/ Sanyo HD6x Series PUHs

Rev	History	Date
V1	The original released. Base on 3-SYHI89LSD1-V10.DSN	2006/12/12

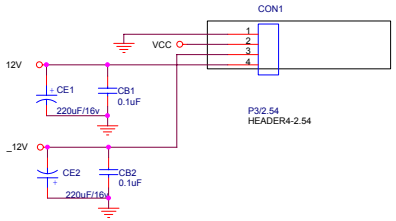
1 INDEX & POWER, RESET
2 MT1389L/K LQFP128
3 MOTOR DRV
4 SDRAM & FLASH
5 AUDIO I/F
6 VIDEO I/F
7 MS/SD & USB

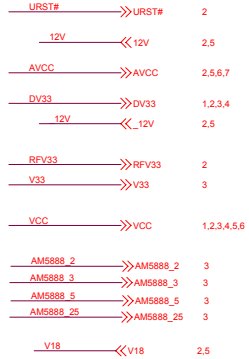
MT1389L/K Features Support List (MIC/USB/MS/SD Only for MT1389L)

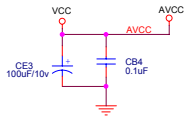
Item	Features
1	5.1CH + USB/MS/SD + VFD + AMUTE
2	
3	
4	

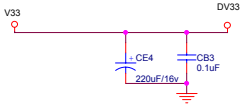
MT1389L/K General GPIO List

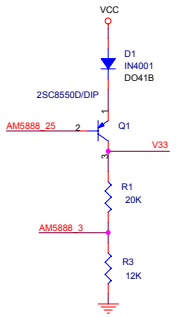
Name	PIN	Features
GPIO3	33	VSCK
GPIO4	34	VSDA
GPIO6	35	VSTB
GPIO7	87	TROUT
GPO_A	22	IOA
GPO_B	23	SW
GPIO2	26	AUDIO_MUTE
GPIO8	88	LIMIT
GPIO9	89	TROPEN
GPIO10	91	STBY
GPIO11	92	TRIN
GPIO12	93	ASPDIF
GPIO13	94	TRCLOSE
GPIO19	106	AKIN1
GPIO20	107	ADVCM
GPIO21	108	AKIN2

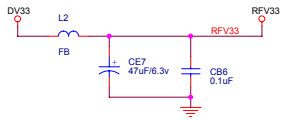


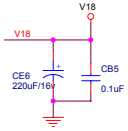


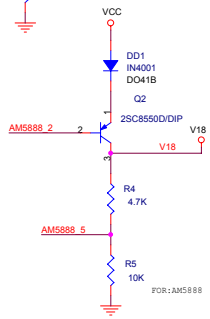




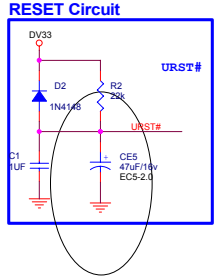








RESET Circuit



V18=(R57/R59+1)*1.25

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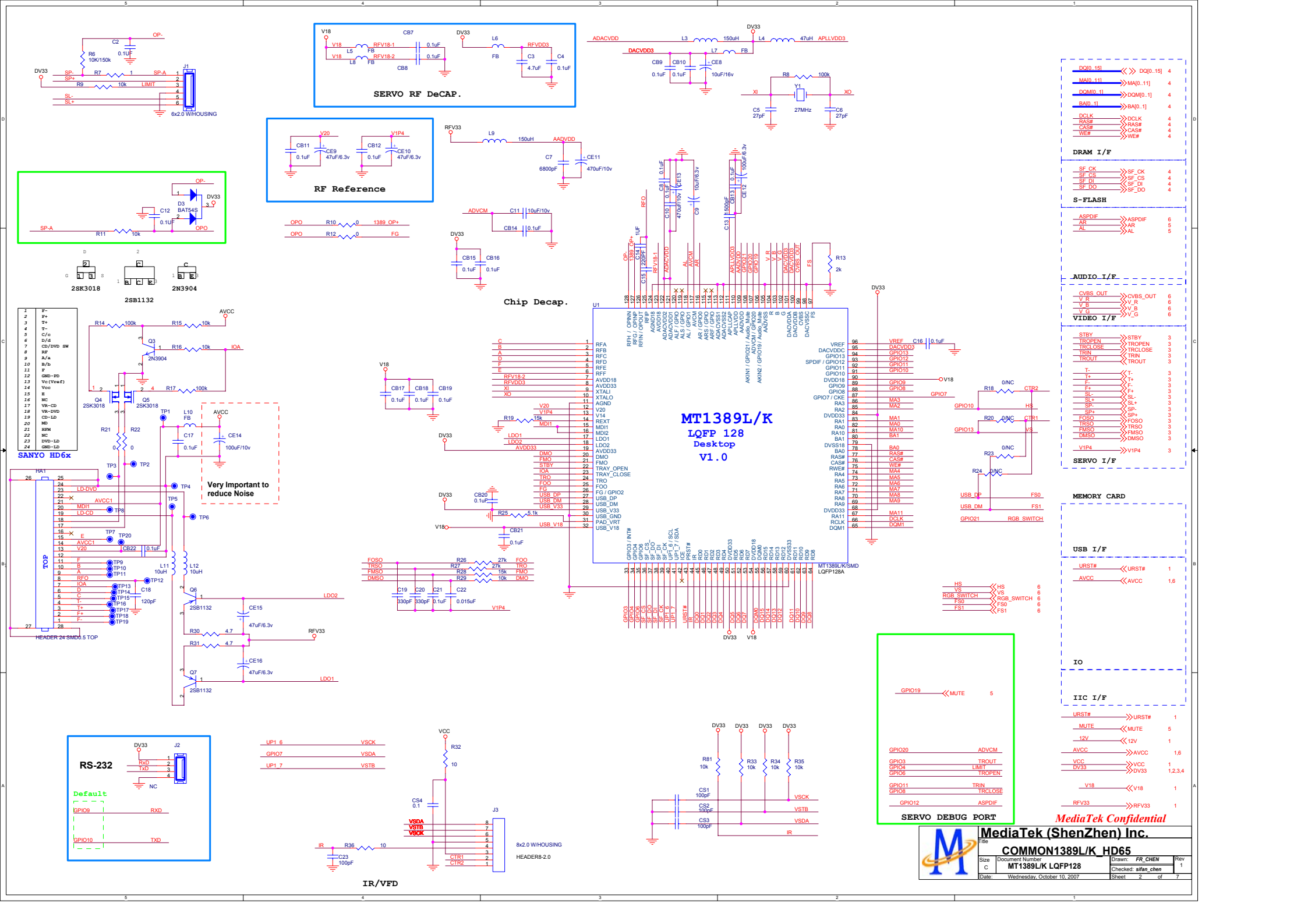
Size: C	Document Number: Index & Power	Drawn: FR_CHEN	Rev: 1
		Checked: sifan_chen	
Date: Wednesday, October 10, 2007		Sheet 1 of 7	


SERVO RF DeCAP.
RF Reference
Chip Decap.
MT1389L/K
LQFP 128
Desktop
V1.0
SANYO HD6x
Very Important to reduce Noise
RS-232
Default
SERVO DEBUG PORT
DRAM I/F
S-FLASH
AUDIO_I/F
VIDEO I/F
SERVO I/F
MEMORY CARD
USB I/F
IO
IIC I/F
IR/VFD
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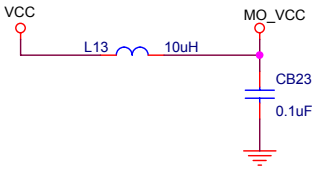
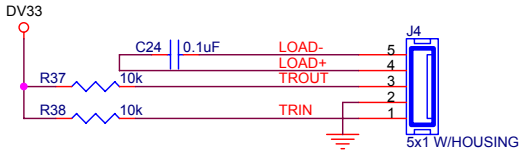
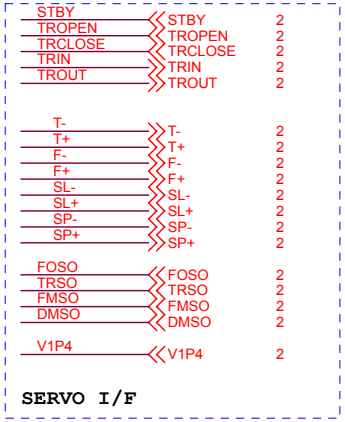
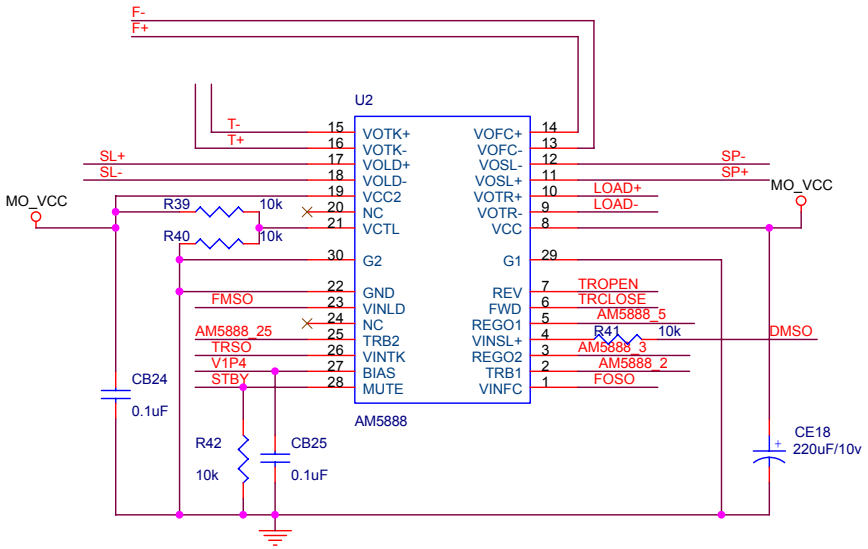
MediaTek (ShenZhen) Inc.
COMMON1389L/K_HD65
MT1389L/K LQFP128
Wednesday, October 10, 2007









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Title: **COMMON1389L/K_HD65**

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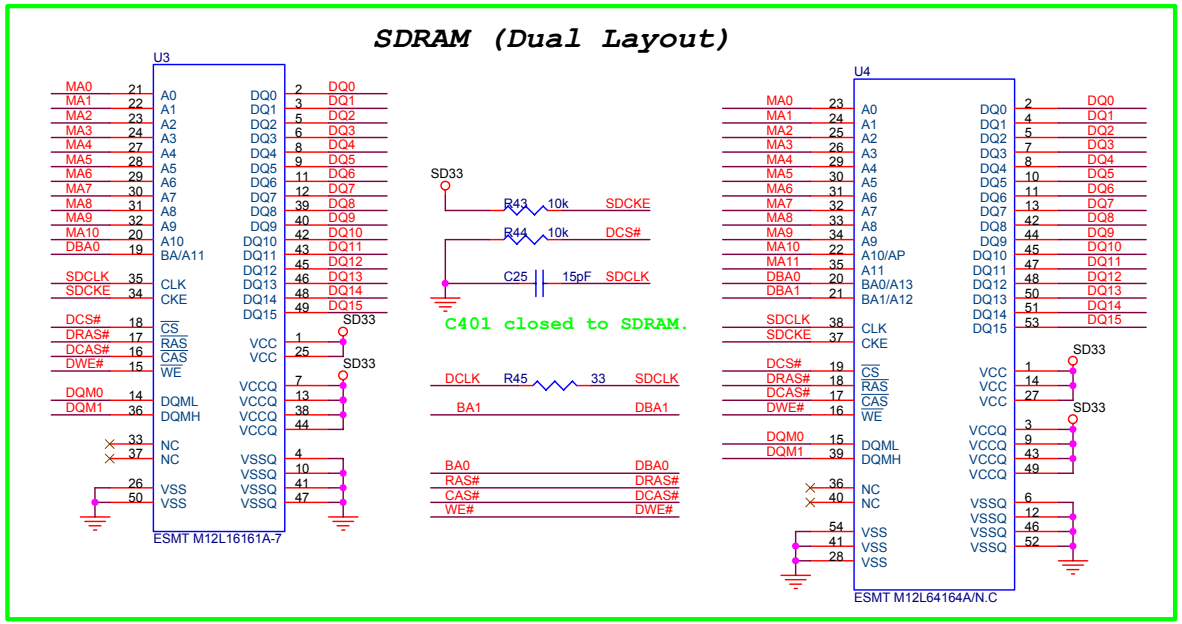
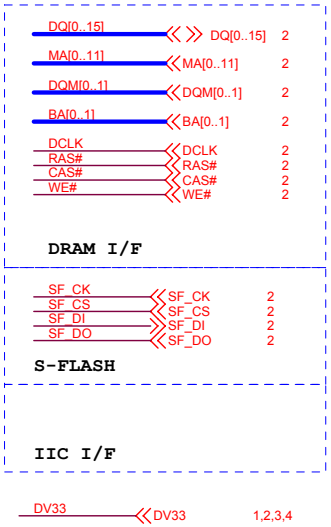
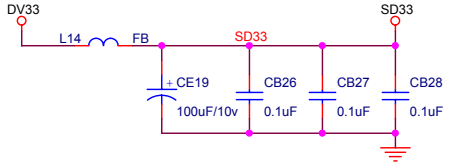
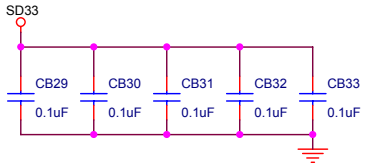
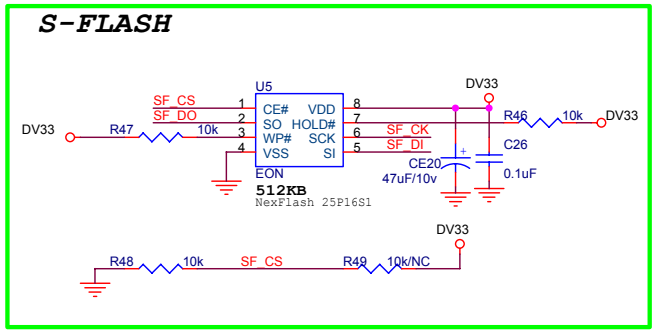
Custom	**MOTOR DRV**	Checked: *sifan_chen*	1
Date: Wednesday, October 10, 2007		Sheet 3 of 7	











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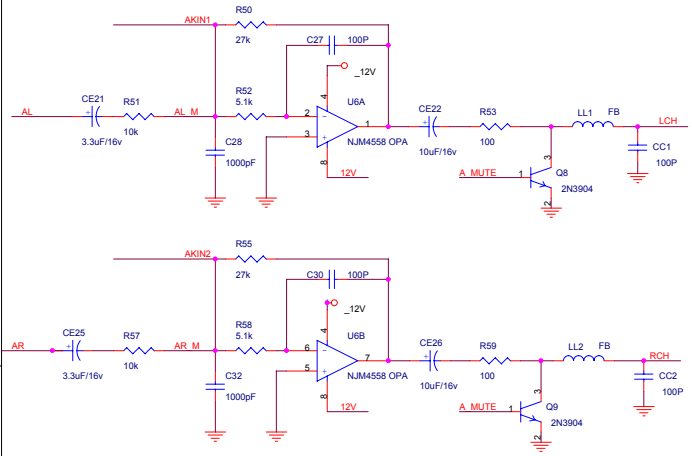
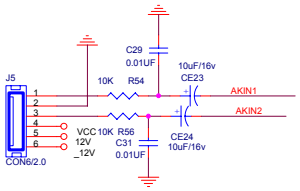
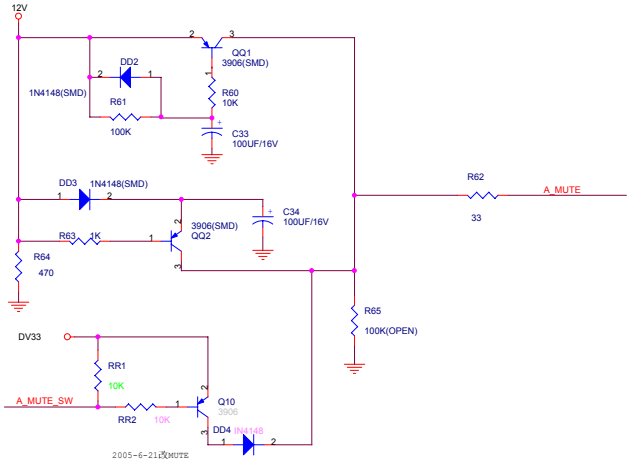
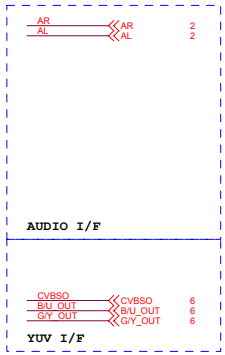
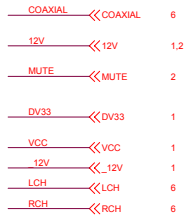


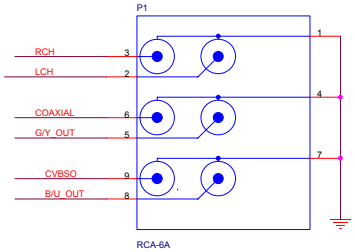


MUTE A_MUTE_SW









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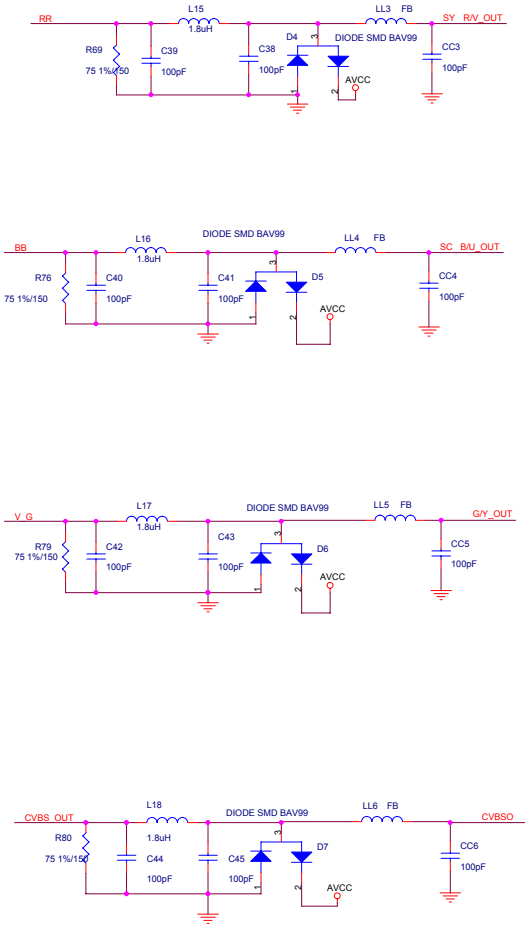
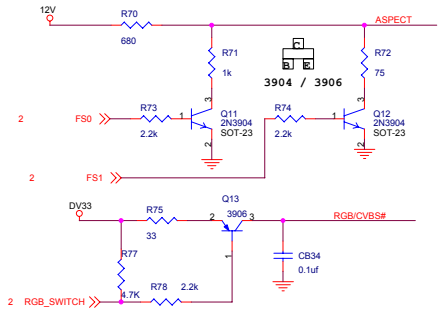
Date: Wednesday, October 10, 2007		Sheet 5 of 7	

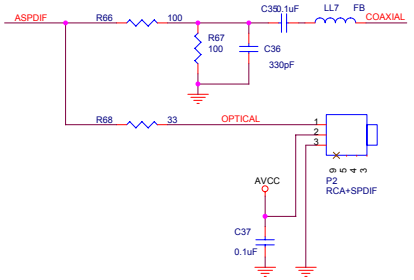


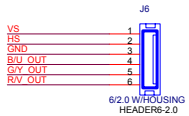
RR V_R S_Y

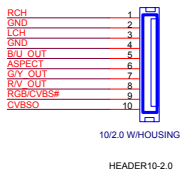
BB V_B S_C

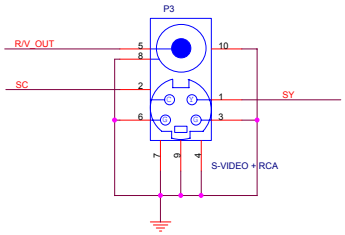
RGB & S-VIDEO S/W

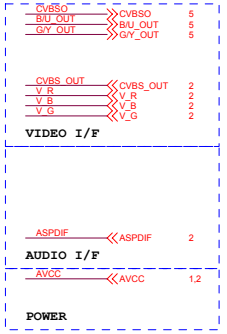


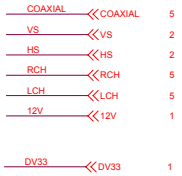












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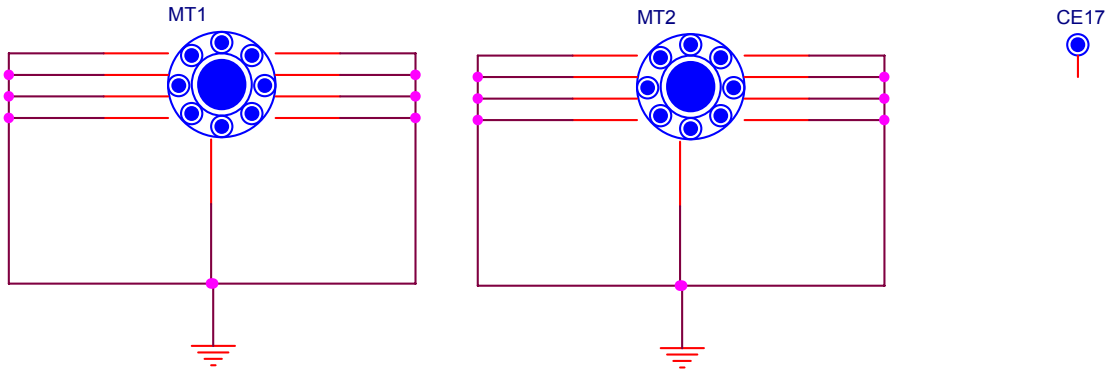

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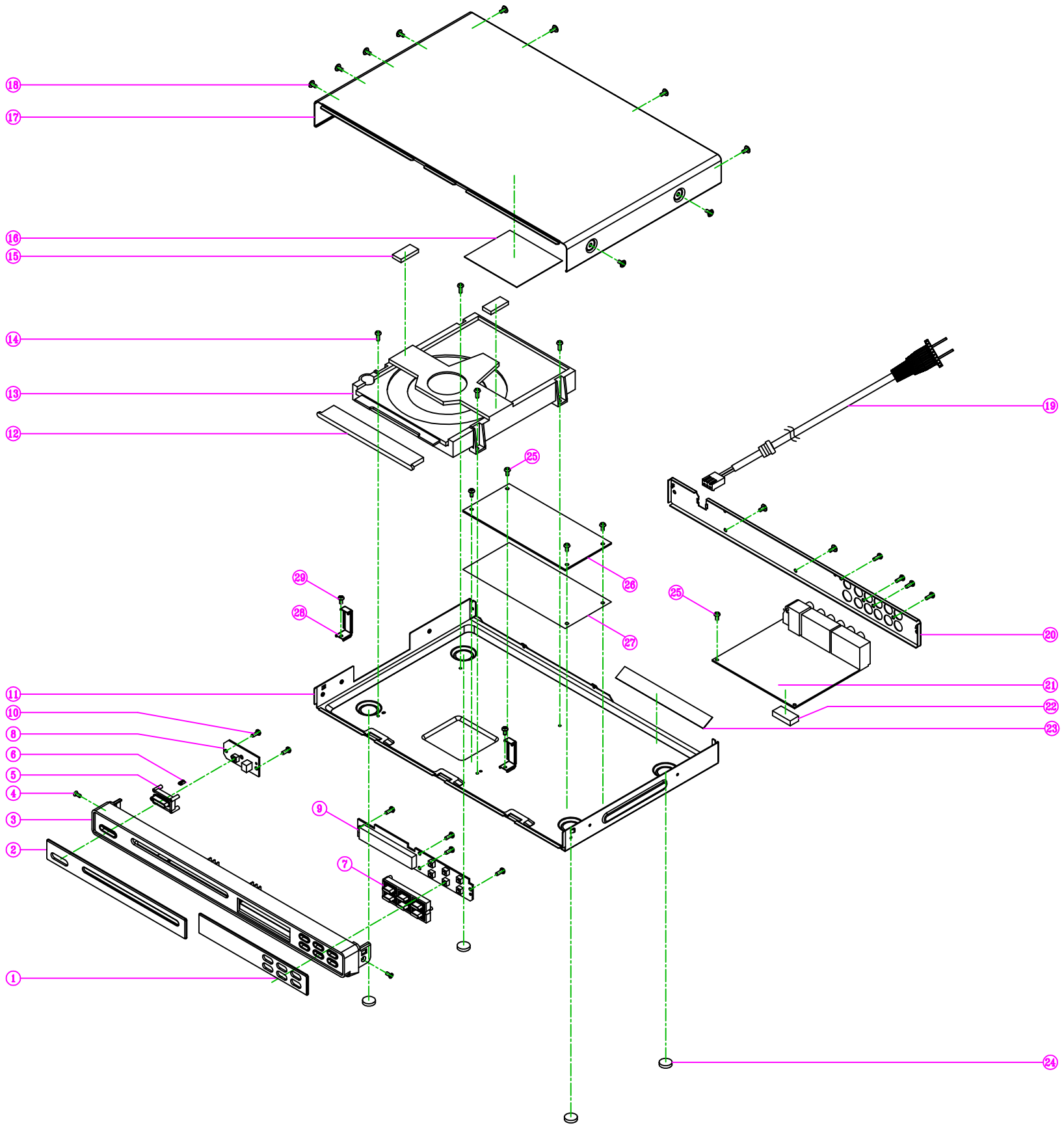

序号	物料编号	名 称	材料及规格	数量	备 注
29	1-2134-3004-0B00	螺丝		2	
28	1-2070-A103-0000	支架		2	
27	1-2220-0058-0000	绝缘片		1	
26	1-8600-5068-0002	电源板		1	
25	1-2130-3006-0B00	螺丝		5	
24	1-2160-0182-0000	机脚垫	Φ15*3,海绵	4	
23	1-2220-0034-0000	绝缘片	单面带胶，125*15*0.5mm	1	
22	1-2161-0032-0000	海绵		1	
21	1-8600-6257-0048	解码板		1	
20	1-2020-A219-0000	后板		1	
19	1-4016-2000-0G01	电源线		1	
18	1-2134-3006-0B00	螺丝		10	
17	1-2010-5957-0020	上盖		1	
16	1-2220-0020-0000	绝缘片	绝缘片 65*75*0.6mm	1	
15	1-2161-0033-0000	海绵垫		2	
14	1-2134-3006-0A00	螺丝		4	
13	1-1240-MD65-0019	机芯		1	
12	1-2040-5957-0005	仓门		1	
11	1-2000-5957-0026	底板		1	
10	1-2130-3008-0B00	螺丝		10	
9	1-8600-1196-0011	KB板		1	
8	1-8600-0288-0004	按键板		1	
7	1-205A-5957-0005	功能钮		1	
6	1-2062-5960-0000	电源钮导光片		1	
5	1-2050-0057-0000	电源钮		1	
4	1-2131-3006-0B00	螺丝		2	
3	1-2030-A219-0002	面板		1	
2	1-2060-A219-0005	左装饰块		1	
1	1-2060-A219-0002	右装饰块		1	

材料:	名称: EXPLODED VIEW		
表面处理:	P/N :		
DESAY 德赛视听	机型: DS-A219		
	设计: 王廷	校对:	比例
	审核:	批准: 郭志梁	第 1 页 共 1 页
结构图 幅面 A1	文件位置:		

NO	PART NO	PART NAME	QUANTITY	PLACE
1	1-8600-6185-0011	MPEG(MI)	1	inside
2	1-8600-5084-0014	POWER(MI)	1	inside
3	1-8600-0288-0004	KB(MI)	1	inside
4	1-4011-1811-0000	wire	1	KB to ground
5	1-4018-0005-2501	wire	1	KB CN1to MPEG J8
6	1-1240-2103-0000	loader	1	inside
7	1-4018-0911-1800-R	wire	1	loader to MPEG
8	1-4017-2424-2401	flat wire	1	loader to MPEG
9	1-4018-0000-3200	wire	1	KB
10	1-4018-0002-2500	wire	1	KB CN3to MPEG J8(CTR1,CTR2)
11	1-4018-0407-1600-R	wire	1	PB to MPEG CON1
12	1-4018-0002-1100	wire	1	KB CN2 to PB
13	1-8600-1196-0016	KB（MI）	1	inside
14	1-2050-0057-0000	power button	1	front panel
15	1-2062-5960-0000	plastic piece	1	front panel
16	1-2020-A292-0000	rear panel	1	
17	1-3000-A121-0001	remote control	1	
18	1-3020-A292-0000	serial NO	3	
19	1-3020-0001-0000	QC PASS	1	power
20	1-2134-3006-0B00	screw	10	top cover,buttom chassis,rear panel
21	1-2130-3008-0B00	screw	10	KB*6 ,AV jack*4
22	1-2131-3006-0B00	screw	2	front panel
23	1-2220-0020-0000	insulative slice	1	top cover
24	1-2000-5957-0028	bottom chassis	1	
25	1-2010-5957-0024	top cover	1	
26	1-2160-0182-0000	cushion	4	bottom chassis
27	1-4012-0007-0002	AV cable	1	
28	1-4016-5000-0F05	power cable	1	
29	1-2220-0034-0000	insulative slice	1	MEPG
30	1-3050-5957-0002	poly foam	1	
31	1-2161-0033-0000	sponge	2	loader
32	1-3050-5957-0000	poly foam	1	inside
33	1-3050-5957-0001	poly foam	1	inside
34	1-2161-0032-0000	sponge	1	MPEG
35	1-2130-3006-0B00	screw	5	MPEG*1,POWER*4
36	1-2060-A292-0000	ornament	1	
37	1-2040-5957-0005	door	1	
38	1-205A-5957-0008	function button	1	
39	1-3040-A292-0000	gift box	1	
40	1-2160-0071-0000	cushion	2	loader
41	1-2220-0058-0000	insulative slice	1	power
42	1-2134-3008-0A00	screw	4	loader
43	1-3090-A292-0000	user manual	1	
44	1-3110-A292-0000	warranty card	1	

NO	PART NO	PART NAME	QUANTITY	PLACE
45	1-8500-6185-0011	MPEG(SMT)	1	
46	1-1289-0106-0001	electrolytic capacitor	3	CE8,CE22,CE26
47	1-1289-0227-0008	electrolytic capacitor	5	CE1,CE2,CE4,CE6,CE18
48	1-1289-0476-0004	electrolytic capacitor	7	CE7,CE9,CE10,CE15,CE16,CE5,CE20
49	1-1289-0107-0018	electrolytic capacitor	2	C34,C33
50	1-1289-0477-0000	electrolytic capacitor	2	CE11,CE13
51	1-1289-0335-0000	electrolytic capacitor	2	CE25,CE21
52	1-1349-0603-0001	connector jack	1	J1
53	1-1349-0500-0000	connector jack	2	J4,J3(IR-----DATA之间）
54	1-1349-0402-0000	connector jack	1	CON1
55	1-1344-0005-0002	AV端子	1	P3
56	1-1344-6001-0004	AV jack	1	P1
57	1-1200-0016-0016-R	crystal	1	Y1
58	1-1272-0471-0002	resistance	1	R64
59	1-1294-5399-0000	diode	2	DD1,D1
60	1-1301-8550-0002	andion	2	Q1,Q2
61	1-1289-0107-0006	electrolytic capacitor	4	CE3,CE14,CE19,CE12
62	1-1341-0014-0000	optical	1	P2
63	1-1349-0201-0000	connector jack	1	J3(CTR1,CTR2)
64	1-1272-0104-0003	resistance	1	R101
65	1-1272-0105-0003	resistance	1	R102
66	1-1272-0101-0001	resistance	1	R203
67	1-1272-0331-0001	resistance	1	R103
68	1-1272-0124-0000	resistance	1	R207
69	1-1279-4701-0002	resistance	2	R205,R206
70	1-1289-0226-0002	electrolytic capacitor	1	E102
71	1-1289-0227-0014	electrolytic capacitor	2	E201,E202
72	1-1289-0108-0003	electrolytic capacitor	1	E203
73	1-1289-0477-0000	electrolytic capacitor	1	E204
74	1-1284-0104-0002	Ceramic Capacitor	2	C103,C202
75	1-1285-0222-0001	capacitor	1	C101
76	1-1282-0222-0000	capacitor	1	CY103
77	1-1293-4007-0000	diode	4	D101,D102,D103,D104
78	1-1293-R107-0000	diode	1	D105

NO	PART NO	PART NAME	QUANTITY	PLACE
79	1-1293-R104-0000	diode	3	D201,D202,D106
80	1-1293-5822-0001	diode	1	D203
81	1-1190-A431-0000-R	IC	1	IC201
82	1-1190-0817-0000-R	IC	1	IC102
83	1-1150-0000-0000	fuse	1	F101
84	1-1291-0022-0000	diode	1	ZD101
85	1-1190-8002-0000-R	IC	1	IC101
86	1-1263-0100-0001	inductance	1	L203
87	1-1250-0002-0000	magnetism ball	1	L102
88	1-1349-0703-0000	connector jack	1	CN201
89	1-1349-0201-0000	connector jack	1	CN202
90	1-1349-0204-0000	connector jack	1	CN102。
91	1-2080-0004-0000	sheet copper	2	TP3,TP2
92	1-1170-0000-0000	jumper	0.0006	J101=J102=L201=L202=J201 =10mm，CN101=12MM
93	1-1289-0106-0004	electrolytic capacitor	1	E103
94	1-1289-0226-0004	electrolytic capacitor	1	E101
95	1-1285-0101-0000	Ceramic Capacitor	1	C102
96	1-1272-0101-0003	resistance	1	R105
97	1-1272-0221-0002	resistance	1	R104
98	1-1220-EL19-0B00	transformer	1	T101
99	1-1352-5084-0003	PCB	1	
100	1-128K-0104-0001	capacitor	1	CX101
101	1-1289-0107-0004	electrolytic capacitor	2	E1, E502
102	1-1331-0009-0000	light button	6	K1, K2, K3, K4, K5, K6
103	1-8500-1196-0016	KB (SMT)	1	inside
104	1-1312-2502-0001	LED	1	U2....
105	1-2161-0014-0000	sponge	2	LED
106	1-1210-0014-0000	sensor	1	RT501

NO	PART NO	PART NAME	QUANTITY	PLACE